

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

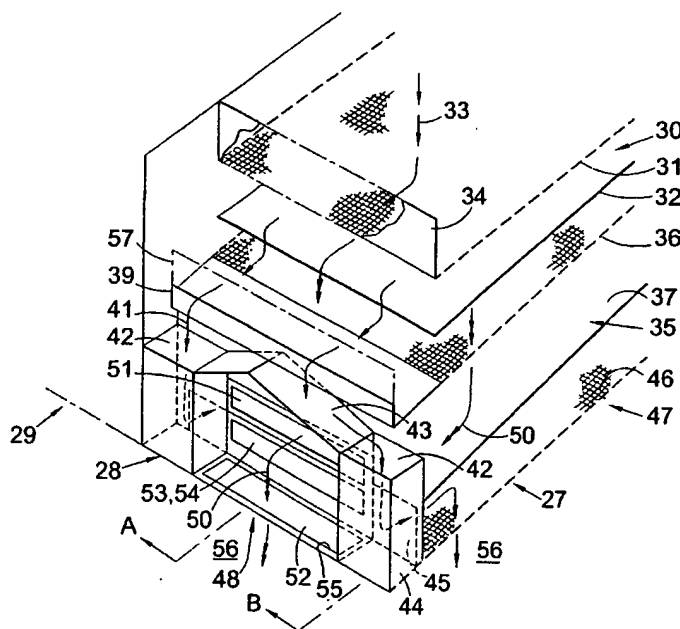
PCT

(10) International Publication Number
WO 2004/110589 A1

- (51) International Patent Classification⁷: **B01D 33/03**, (74) Agents: **MACDOUGALL, Donald, Carmichael et al.**,
B07B 1/46 Marks & Clerk, 19 Royal Exchange Square, Glasgow G1
3AE (GB).
- (21) International Application Number: **PCT/GB2004/002544** (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (22) International Filing Date: 14 June 2004 (14.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0313521.7 12 June 2003 (12.06.2003) GB
0329920.3 24 December 2003 (24.12.2003) GB
- (71) Applicant (for all designated States except US): **AXIOM
PROCESS LIMITED** [GB/GB]; Central Square South,
Orchard Street, Newcastle-Upon-Tyne NE1 3XX (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BAILEY, Marshall,
Graham** [GB/GB]; Duddo House, Duddo, Berwick-upon-
Tweed TD15 2PS (GB).
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SCREENING APPARATUS



(57) Abstract: The present invention provides a vibratory screening apparatus (1) for use in removing solids from a liquid feed, and a basket (4) therefor. The apparatus comprises a static outer housing (2), and a floating basket vibratable by a vibrator device (10). The basket mounts a stack (7) of screen assemblies (8) provided with respective flow directing trays (9) for receiving filtrates from the screen assemblies. A flow distributor (15) divides the feed into at least first and second feed streams and directs them onto respective screen assemblies, and receives from the flow directing trays, filtrates from respective screen assemblies.



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.